

## EAST Search History

| Ref # | Hits    | Search Query                                   | DBs                                                     | Default Operator | Plurals | Time Stamp       |
|-------|---------|------------------------------------------------|---------------------------------------------------------|------------------|---------|------------------|
| L1    | 10      | (feline\$ near5 p35) same (feline\$ near5 p40) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/23 12:05 |
| L2    | 1003606 | @rlad<"20010727"                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/23 12:06 |
| L3    | 5       | l1 and l2                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/23 12:06 |

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=> s ((feline#(5a)p35)(20a)(feline#(5a)p40))/bi,ab 6290  
FELINE#/BI 4796 FELINE#/AB 1916  
P35/BI 1673 P35/AB 6290 FELINE#/BI  
4796 FELINE#/AB 3059 P40/BI 2441  
P40/AB  
L1 3 ((FELINE#{5A}P35)(20A)(FELINE#{5A}P40))/BI,AB

=> d l1 1-3 bib ab

L1 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2001:50680 CAPLUS <<LOGINID::20060723>>  
DN 134:114830  
TI Recombinant feline interleukin-12 as adjuvant  
IN Lutz, Hans; Leutenegger, Christian; Pedersen, Nils; Schroff, Matthias; Wittig, Burghardt  
PA Mologen Forschungs-, Entwicklungs- und Vertriebs G.m.b.H., Germany; Universitat Zurich; The Regents of the University of California  
SO PCT Int. Appl., 35 pp. CODEN: PIXXD2  
DT Patent  
LA German  
FAN.CNT 1 PATENT NO. KIND DATE APPLICATION  
NO. DATE -----  
PI WO 2001004155 A2 20010118 WO 2000-DE2263  
20000708 WO 2001004155 A3 20010802 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG EP 1208115 A2 20020529 EP 2000-954321 20000708 R: AT, BE, CH, DE, DK, ES, FR,

GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO,  
MK, CY, AL US 2003157059 A1 20030821 US 2002-  
41672 20020108  
PRAI CH 1999-1259 A 19990708 WO 2000-DE2263  
W 20000708

AB The invention relates to a feline interleukin-12 (IL-12) as an adjuvant or immune stimulant, both in the vaccination against and therapy of infectious diseases in cats. The invention also relates to methods allowing both subunits of IL-12 to be expressed in the required quantity ratios. Thus, plasmids encoding \*\*\*feline\*\*\* IL-12 \*\*\*p35\*\*\* and \*\*\*p40\*\*\* subunits, as well as a plasmid encoding both p35 and p40 subunits, were prep'd. The complete IL-12 was produced in an in vitro transcription/translation system. Cats immunized with FIV gp140 DNA and IL-12 DNA were protected from challenge with FIV.

L1 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2000:858233 CAPLUS <<LOGINID::20060723>>  
DN 135:18329

TI Cloning of full length cDNA, high-level expression and biological characterization of feline IL-12  
AU Imamura, Takayuki; Imamura, Takashi; Maeda, Hiroaki; Eda, Yasuyuki; Tokiyoshi, Sachio; Abe, Shin-ichi; Mikami, Takeshi  
CS Chemo-Sero-Therapeutic Research Institute, Kumamoto, 869-1298, Japan  
SO Journal of Veterinary Medical Science (2000), 62(10), 1078-1087 CODEN: JVMSEQ; ISSN: 0916-7250  
PB Japanese Society of Veterinary Science  
DT Journal  
LA English

AB A full length cDNA of \*\*\*feline\*\*\* interleukin(IL)-12 \*\*\*p35\*\*\* and \*\*\*p40\*\*\* subunits was cloned. By transferring the plasmids contg. both the subunit genes to mammalian cells, we expressed biol. active feline IL-12. The expressed feline IL-12 has interferon-gamma-inducing activity against both human and feline peripheral blood mononuclear cells (PBMC) and stimulates cytotoxic T lymphocyte activity against herpes simplex virus-infected human PBMCs. There were two kinds of mols. (p75, p80) in the purified recombinant feline IL-12, and both mols. exhibited biol. activity. The difference between p75 and p80 was the degree of the glycosylation of the p35 chain. Moreover, when we modified the cDNA of p35 by changing some codons and deleted the 5' and 3' non-coding regions, the expression level of IL-12 increased about 100-fold.  
RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2000:270831 CAPLUS <<LOGINID::20060723>>  
DN 133:175995

TI Nucleotide and predicted peptide sequence of feline interleukin-12 (IL-12)  
AU Fehr, Daniela; Dean, Gregg A.; Huder, Jon; Fan, Zhanyun; Huettner, Silke; Higgins, Joanne W.; Pedersen, Neils C.; Lutz, Hans  
CS Clinical Laboratory, Dept. of Internal Veterinary Medicine, University of Zurich, Switz.  
SO DNA Sequence (1997), 8(1-2), 77-82 CODEN: DNSEES; ISSN: 1042-5179  
PB Harwood Academic Publishers  
DT Journal  
LA English  
AB Feline Interleukin-12 (IL-12) is a heterodimeric glycoprotein consisting of two disulfide linked subunits of about 40kD (p40)

and 35kD (p35). It is a pleiotropic cytokine mediating biol. activities on T- and NK-cells. One important function is the induction of a Th1 immune response. Here we report the cloning and sequencing of feline IL-12, the expression of the p40-protein in E. coli and prodn. of monoclonal antibodies. At the nucleotide level, feline IL-12 shows between 87-90%, on the amino acid level between 82-87% identity to the bovine and human IL-12, resp.

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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